

THE FOLLOWING IS CLAIMED:

Sub A1
1. An unexpanded composition comprising a combination comprising a modified ethylene copolymer base polymer, at least one hydrazide expansion agent, at least one hydrocarbon resin and at least one sulfur containing curing agent.

2. An injection molded composition comprising a combination comprising at least one copolymer base polymer, at least one expansion agent, at least one hydrocarbon resin and at least one curing agent wherein said composition is substantially free of ionomeric compounds.

3. The composition of Claim 1 or 2 wherein the base polymer comprises a modified ethylene copolymer and corresponds to about 50 to about 90 wt.% of the composition.

Sub E1
4. The composition of Claim 1 or 2 wherein expansion agent comprises at least one member selected from the group consisting of azodicarbonamides, p,p'-oxybis(benzene-sulfonyl hydrazide) and diphenylozide-4,4'-disulphohydrazides.

5. The composition of Claim 1 or 2 further comprising at least one processing oil.

6. The composition of Claim 1 or 2 wherein the hydrocarbon resin comprises an aliphatic hydrocarbon resin.

7. The composition of Claim 1 or 2 wherein the curing agent comprises tetramethylthiuram disulfide.

8. The composition of Claim 1 or 2 wherein the composition further comprises an ethylene acrylic acid copolymer.

9. The composition of Claim 1 or 2 wherein the composition expands at least 500% when exposed to a temperature of at least about 300 F.

10. The composition of Claim 1 or 2 wherein composition further comprises at least one additive selected from the group consisting of colorants, tackifiers, fillers, UV curing agents and plasticizers.

11. An expandable composition substantially having the configuration illustrated in any one of Figures 1 through 6.

12. A self-retaining expandable composition comprising a combination comprising at least one base polymer, at least one supplemental polymer, at least one expansion agent and at least one filler.

13. The expandable composition of Claim 1 further comprising at least one fastener and defining at least one opening.

14. Use of the composition of Claim 1 as an automotive sealant.